

FIG. 1

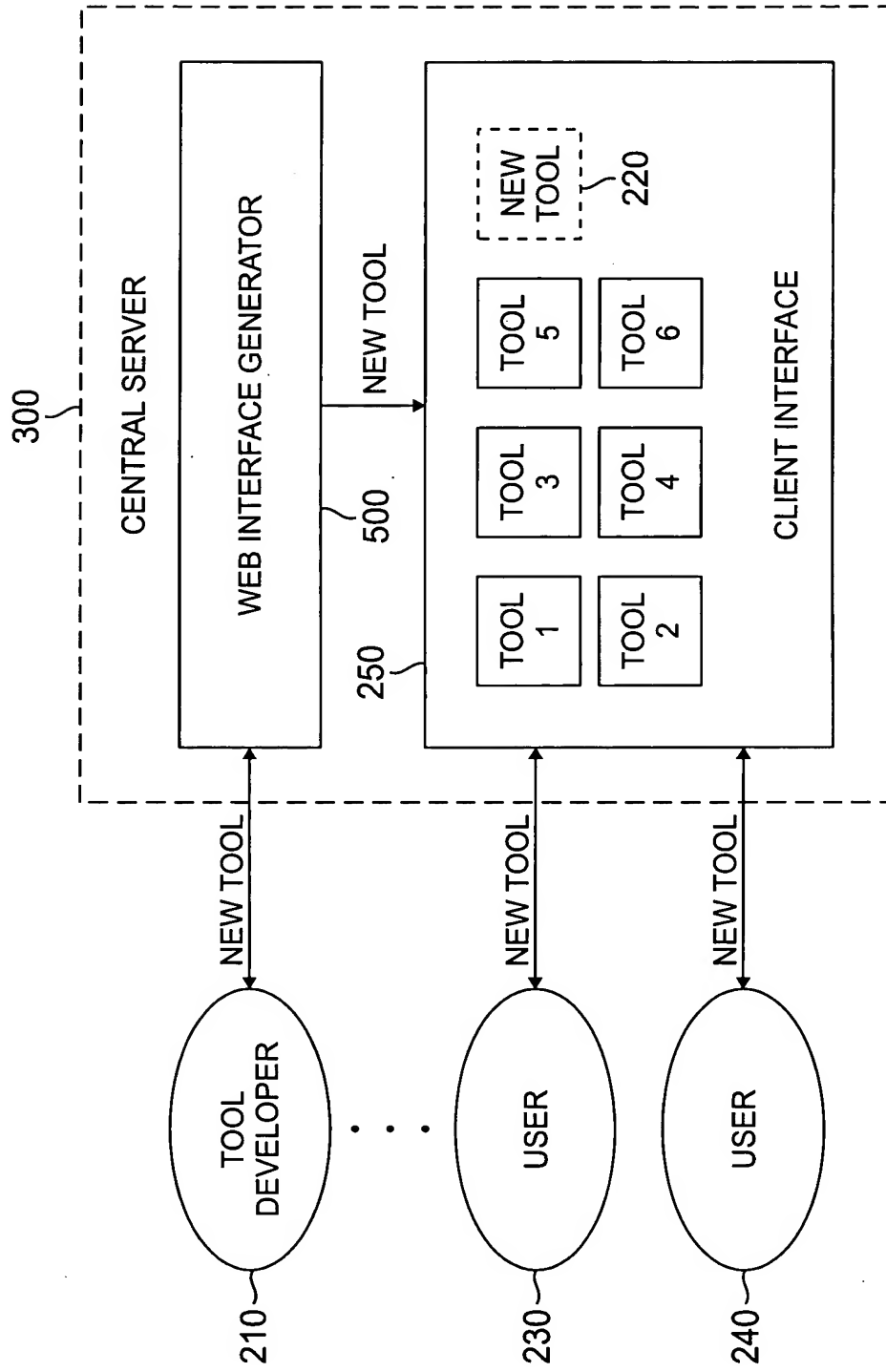
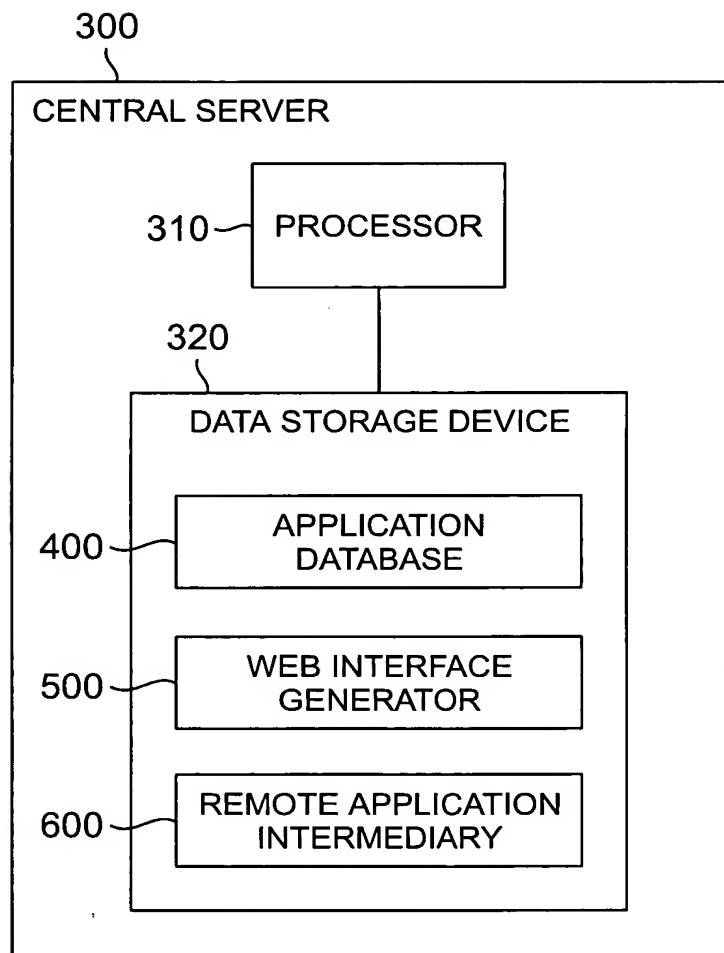


FIG. 2



**FIG. 3**

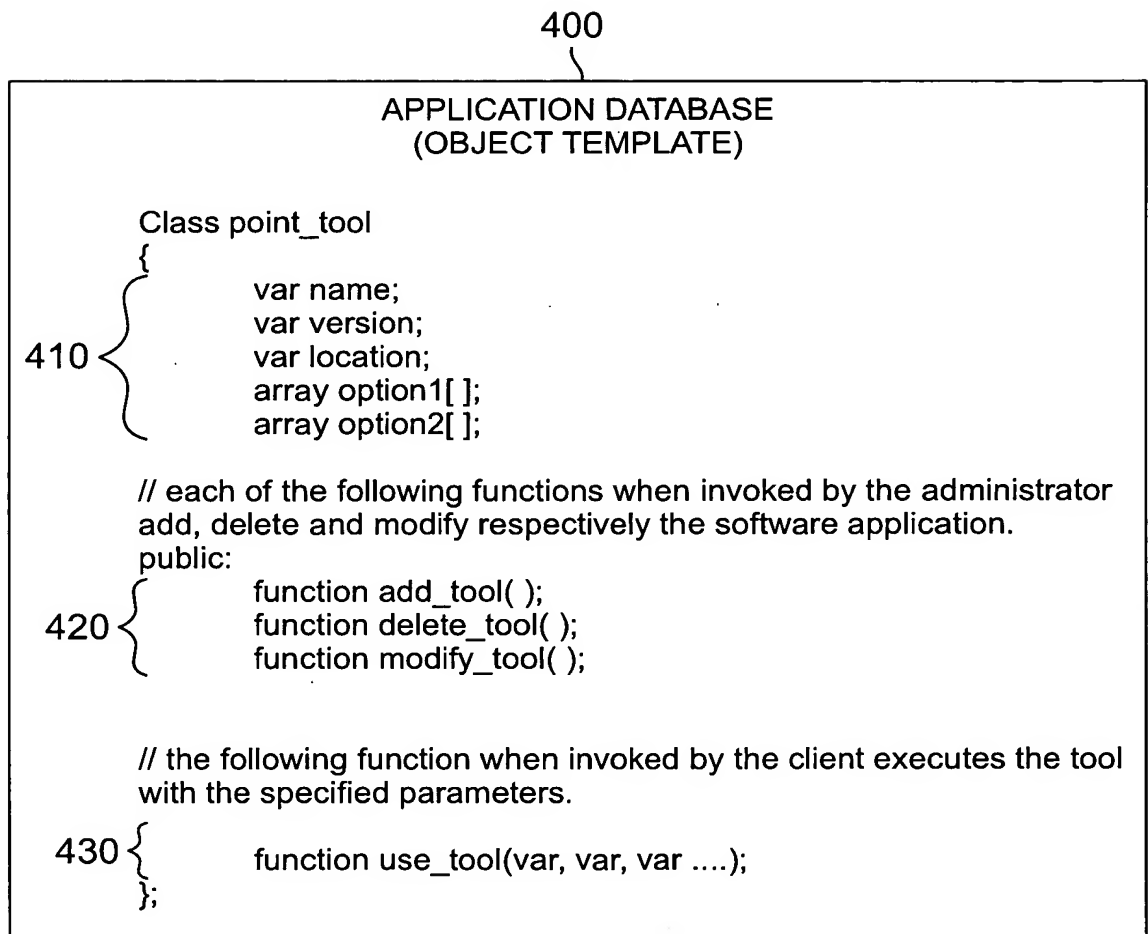


FIG. 4

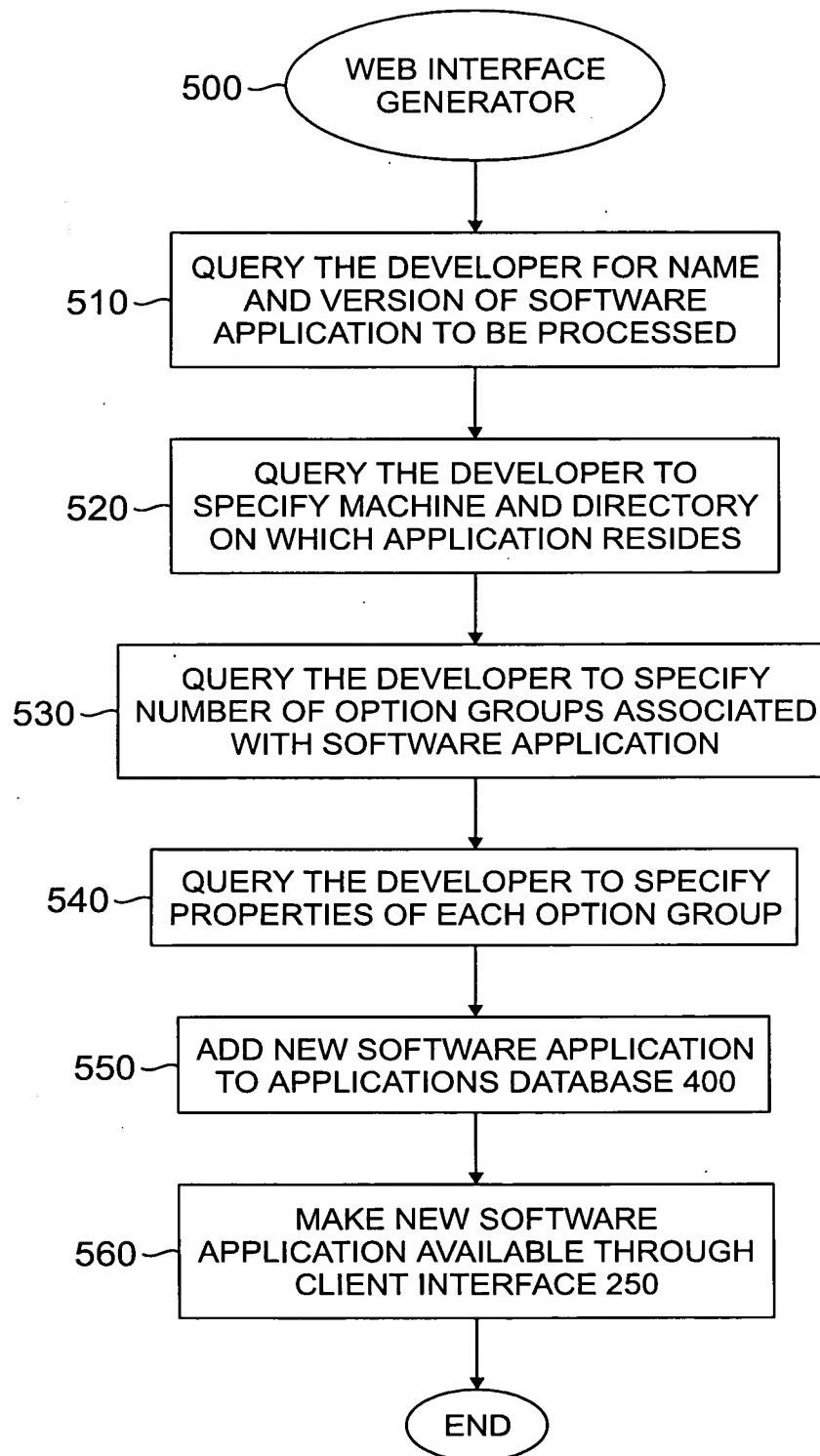


FIG. 5

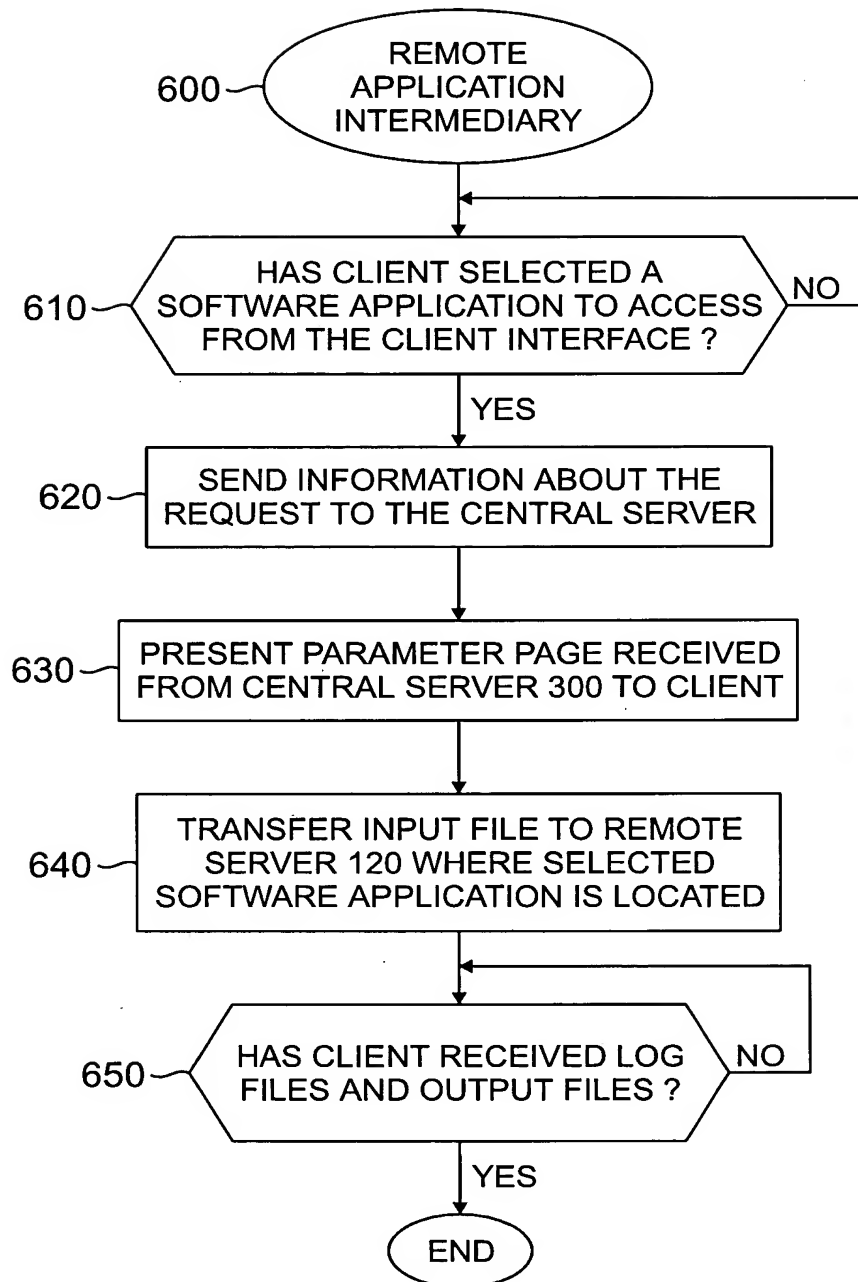


FIG. 6

700



## EXEMPLARY APPLICATION OPTION LIST

OPTION NAME	CONSTRAINTS
-E, -S, -c	<ul style="list-style-type: none"><li>➤ CANNOT BE USED TOGETHER</li><li>➤ ALL NEED AT LEAST ONE INPUT FILE</li></ul>
-D, -I, -U, -xc, -o	<ul style="list-style-type: none"><li>➤ CANNOT BE USED TOGETHER</li><li>➤ ALL NEED AT LEAST ONE INPUT FILE</li><li>➤ NEED EXACTLY ONE INPUT PARAMETER</li></ul>
-g, -O1	<ul style="list-style-type: none"><li>➤ CANNOT BE USED TOGETHER</li><li>➤ NO INPUT PARAMETERS EXPECTED</li></ul>
-Wj, -Wall	<ul style="list-style-type: none"><li>➤ CANNOT BE USED TOGETHER</li><li>➤ NO INPUT PARAMETERS EXPECTED</li></ul>

FIG. 7

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**Addition of a new Point Tool**

The general syntax of the point tools is as follows

**tool\_name** <option\_type1> <option\_type2> ..... <file\_type>

**Name of point tool**  810

**Version**  820

**Machine specification**  830

**IP Address of the Server**  840

**Location**  850 *eg. tools/script.php*

**Number of options**  860

**FIG. 8**



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Addition cont...

*Initialize the Point Tool with the following data:*  
Number of Parameters at time of execution for Option 1:

- ☒ Exactly one parameter
- ☐ One or more than one parameter
- ☐ None or more parameters

} 910

Enter the Valid parameters for this option with a brief description of in separate lines

*eg. -o For optimization*

-E preprocess only	▲
-S generate assembly file	
-c generate object file	▼

} 950

Which of the following apply for the file input:

- ☐ Exactly one file
- ☒ One or more files
- ☐ None or more files

} 970

FIG. 9

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**Paint Tool Execution cont...**

Choose one of the following options:

- ☐ -E preprocess only
- ☒ -S generate assembly file
- ☐ -c generate object file

Select any of the following options that apply:

- ☒ -D define macro
- ☐ -I additional include directories
- ☐ -U undefine macro
- ☐ -xc assume c source file
- ☐ -o output file

Select one of the following options that apply:

- ☒ -g generate debug info
- ☐ -O1 enable optimization (level 1)

Choose one of the following options:

- ☐ -Wj suppress warnings
- ☐ -Wall generates all warnings

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**FIG. 10**

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Paint Tool Execution cont...

File Uploads

Attach File for Parameter -S

limit.c Browse

Attach File for Parameter -D

COMMAND\_4 Browse

Attach Input File

vector.c Browse  
scalar.c Browse select another file

Runtime output diverted to a file? ☒ Yes ☐ No

next cancel

1150

FIG. 11